

INDEX TO VOLUME 75-1975

- Aeolian Flat Environment, Wood County, Ohio. Identification of an, 132
- Agelaius phoeniceus*. Effect of Blackened Epau-lets on the Territorial Behavior and Breeding Success of Male Redwinged Blackbirds, 168
- Air pollution on Pulmonary Functions in Adolescents. The Effects of, 65
- Alewife's Food Habits (Pisces: Clupeidae: *Alosa pseudoharengus*) in Indiana's Waters of Lake Michigan in 1970. Observations on the Adult, 50
- Algal Flora of East Harbor, Ottawa County, Ohio, Since 1900. Changes in the, 229
- Aluminum Concentration in Human Postmortem Lung Tissue From Smokers and Non-smokers as Determined by Neutron Activation Analysis, 56
- Andropogon scoparius* Growing in an Ohio Relict Prairie. Net Productivity and Ecological Efficiency of, 194
- Announcements, 112
- Anthony, Robert Edward, 56
- Ash Content of Macrophytes From Chautauqua Lake, 29
- Bacterial Ecology of Strip Mine Areas and its Relationship to the Production of Acidic Mine Drainage, 266
- Baker, Carl T., 118
- Barrett, Gary W., 102
- Barth, Vincent D., 162
- Base Flow and Groundwater Chemistry, Oak Openings Sand, Lucas County, Ohio. Comparison of, 138
- Battaglia Bog, Portage County, Ohio. Palynology and Radiocarbon Chronology of, 96
- Baunach, Dorothy C., 70
- Blarina brevicauda* From Southeastern Ohio. An Albino, 32
- Bookhout, T. A., 305
- Bradshaw, Aubrey Swift, 165
- Bryophyte Flora of Cedar Bog. Comparison of the Present and Past, 188
- Busch, Wolf-Dieter N., 118
- Camallanus oxycephalus* (Nematoda: Camallanidae) in Western Lake Erie. An Analysis of the Changes in the Prevalence of, 1
- Cedar Bog. Comparison of the Present and Past Bryophyte Flora of, 188
- Chautauqua Lake. Ash Content of Macrophytes From, 29
- Chipmunk. The Adaptive Significance of Scatter Hoarding in the Eastern, 176
- Chiton carbonarius* stevens (Mollusca, Polyplacophora). Selection of Neotype Specimen for, 223
- Citheronia Sepulcralis (Lepidoptera: Citheroniidae) in Ohio, 129
- Clavine and Lysergic Acid Alkaloids From Morning Glories. Extraction and Identification of, 198
- Coal Mine Ecosystems in Southern Ohio. Lichen Accumulation of Some Heavy Metals From Acidic Surface Substrates of, 113
- Coleoptera: Cerambycidae. A New Species of *Mecas* From Texas, 130
- Coleoptera: Chrysomelidae. The Biology and Immature Stages of *Zygogramma suturalis* (Fabricius), 19
- Concretions Occuring in the Ohio Shales Along the Olentangy River. Formation of, 162
- Crites, John L., 1
- Dalgarn, Marian C., 194
- Damselfly, *Ischnura verticalis*, to Selected Insecticides. The Susceptibility of an Adult, 81
- DeCapita, M. E., 305
- DeLong, Dwight M., 126
- Differential Equations in Applied Mathematics. An Application of Functional Analysis to Partial, 36
- Downing, William, 62
- Dragonflies and Damselflies (Odonata) of the Holden Arboretum, Lake and Geauga Counties, Ohio. The, 14
- Dugan, P. R., 266
- Earthquake Statistics for Ohio, 103
- Eglitis, John A., 217
- Estenik, J. F., 81
- Estrogen Treatment on Long Bone Fracture Healing of Young Domestic Fowls. Effect of Hypophysectomy and, 217
- Federle, P. F., 81
- Fracture Healing of Young Domestic Fowls. Effect of Hypophysectomy and Estrogen Treatment on Long Bone, 217
- Frederick, V. Ray, 229
- Freytag, Paul H., 25
- Gastropoda: Pulmonata. Comparative Studies on the Life Cycle and Ecology of Two Populations of *Physa heterostrophs* (Say), 85
- Geologic Structure of Near-Surface Rocks in Western Ohio, 225
- Giesy, Robert M., 188
- Glooschneko, W. A., 251
- Graham, James D., 202
- Groundwater Chemistry, Oak Openings Sand, Lucas County, Ohio. Comparison of Base Flow, 138
- Harman, Willard N., 85
- Heck, Oscar B., 263
- Hedeen, Stanley E., 182
- Helminths of the Muskrat, *Ondatra zibethicus*, Collected From Two Localities in Ohio. A Survey of the Gastrointestinal, 263
- Herrmann, Sheila A., 85
- Hexagenia limbata*, in an Ohio Pond. Distribution, Abundance, and Age Structure of a Population of the Burrowing Mayfly, 7
- Hite, John L., 190
- Hoare, R. D., 223
- (Homoptera: Cicadellidae). A New Species of *Idiocerus* From Panama, 25

- (Homoptera: Cicadellidae) with Descriptions of Three New Species. The Genus *Rhogosana*, 126
- Horn, David J., 129
- Hornworm Moths, *Manduca sexta* (Johannson) Order Lepidoptera; Family Sphingidae. Observations on Flights of Released Tobacco, 83
- Huang, L. H., 75
- Hummon, William D., 44
- Hymenoptera: Encyrtidae. New Occurrence and Host for *Tachinaephagus zealandicus* Ashmead, 62
- Hypophysectomy and Estrogen Treatment on Long Bone Fracture Healing of Young Domestic Fowls. Effects of, 217
- Iams, S. G., 155
- Idiocerus From Panama (Homoptera: Cicadellidae). A New Species of, 25
- Ischnura verticalis*, to Selected Insecticides. The Susceptibility of an Adult Damselfly, 81
- Keller, Roger F., 56
- Knull, Josef N., 130
- Lake Erie (Central): A Simple Correlation Approach. Nutrient-Primary Production Relationships in, 251
- Lake Erie (Western). An Analysis of the Changes in the Prevalence of *Camallanus oxycephalus* (Nematoda: Camallanidae), 1
- Lake Erie (Western) at Put-In-Bay: A Quantitative Study, April 1973-March 1974. Zooplankton of, 256
- Lake Erie (Western), 1969-71. Predation by Fish on Walleye Eggs on A Spawning Reef in, 118
- Lawrey, James D., 113
- Lead Ingestion on *In Vitro* Steroid Synthesis of the Rat Adrenal Gland. Effect of, 155
- Lepidoptera: Citheroniidae in Ohio. *Citheronia Sepulcralis*, 129
- Lepisosteus osseus*. Effects of Temperature and Light on Aerial Breathing of the Longnose Gar, 58
- Lepisosteus platostomus*. Effects of Temperature and Light on Aerial Breathing of the Shortnose Gar, 178
- Lessler, M. A., 155
- Leucorrhinia frigida* Hagen, Another New Ohio Odonate Record, 95
- Lichen Accumulation of Some Heavy Metals From Acidic Surface Substrates of Coal Mine Ecosystems in Southeastern Ohio, 113
- Lichen Flora Around the Muskingum River Power Plant, Morgan County, Ohio. The Foliose and Fruticose, 33
- Limbird, Arthur, 132
- Lundgren, D. G., 280
- Lung Tissue From Smokers and Nonsmokers as Determined by Neutron Activation Analysis. The Aluminum Concentration in Human Post-mortem, 56
- Lysergic Acid Alkaloids From Morning Glories. Extraction and Identification of Clavine and, 198
- Macrophytes From Chautauqua Lake. Ash Content of, 29
- Manduca sexta* (Johannson) Order Lepidoptera; Family Sphingidae. Observations on Flights of Released Tobacco Hornworm Moths, 83
- Martell, Ronald, 65
- Marx, D. H., 288
- Mathematics (Applied). An Application of Functional Analysis to Partial Differential Equations in, 36
- Mazumdar, Tapas, 36
- McComish, Thomas S., 50
- McMurray, Gregory, 238
- McQueen, Cyrus B., 188
- Mecus* From Texas (Coleoptera: Cerambycidae). A New Species of, 130
- Megalonyx, From a Pleistocene Site in Darke Co., Ohio. A Ground Sloth, 147
- Microbiological Problems in Strip Mine Areas: Relationship to the Metabolism of *Thiobacillus Ferrooxidans*, 280
- Microtus pennsylvanicus* on Ohio. Occurrence of an Albino, 102
- Mills, Richard S., 147
- Mine Drainage. Bacterial Ecology of Strip Mine Areas and Its Relationship to the Production of Acidic, 266
- Mollusca, Polyplacophora. Selection of Neotype Specimen for *Chiton carbonarius* Stevens, 223
- Morris, Lynn, 168
- Mostardi, Richard A., 65
- Murine Myelogenous Leukemia C1498. Studies of an Implanted, 202
- Mycorrhizae and Establishment of Trees on Strip-Mined Land, 288
- Necrology, 209
- Negulesco, John A., 217
- Nematoda: Camallanidae in Western Lake Erie. An Analysis of the changes in the Prevalence of *Camallanus oxycephalus*, 1
- Neufarth, Elaine J., 184
- Nicholson, Stuart A., 29
- Norris, Stanley E., 225
- Nutrient-Primary Production Relationships in Central Lake Erie: A Simple Correlation Approach, 251
- Odonata of the Holden Arboretum, Lake and Geauga Counties, Ohio. The Dragonflies and Damselflies, 14
- Odonate Record. *Leucorrhinia frigida* Hagen, Another New Ohio, 95
- Ohio Academy of Science—Officers, Committees, etc. 1975-1976, 166
- Ohio. A Human Factor in Strip-Mining: Trade-Offs Between Attitudes and Opinions Toward the Industry in, 314
- Ohio Ascomycete Notes II. *Talaromyces* From Soils of Southern Ohio, 75
- Ohio. A Survey of the Gastrointestinal Helminths of the Muskrat, *Ondatra zibethicus*, Collected From Two Localities in, 263
- Ohio. *Citheronia Sepulcralis* (Lepidoptera: Citheroniidae) in, 129
- Ohio. Earthquake Statistics for, 103
- Ohio (Northeastern) Glacial Lake. Summer Phytoplankton Photosynthesis in a, 238
- Ohio. Occurrence of an Albino *Microtus pennsylvanicus* on, 102

- Ohio Relict Prairie. Net Productivity and Ecological Efficiency of *Andropogon scoparius* Growing in an, 194
- Ohio (Southeastern). A comparison of Benthic Oligochaete Populations in Acid and Neutral Lentic Environments in, 44
- Ohio (Southeastern). An Albino *Blarina brevicauda* From, 32
- Ohio (Southeastern). Lichen Accumulation of Some Heavy Metals From Acidic Surface Substrates of Coal Mine Ecosystems in, 113
- Ohio (Southwestern). Premetamorphic Growth of *Rana catesbeiana* in, 182
- Ohio Strip-Mined Area. Small Mammal Populations, Vegetational Cover, and Hunting Use of an, 305
- Ohio (Western). Geologic Structure of Near-Surface Rocks in, 225
- Olentangy River. Formation of Concretions Occurring in the Ohio Shales Along the, 162
- Oligochaete Populations in Acid and Neutral Lentic Environments in Southeastern Ohio. A Comparison of Benthic, 44
- Olive, John H., 238
- Ondatra zibethicus*. Collected From Two Localities in Ohio. A Survey of the Gastrointestinal Helminths of the Muskrat, 263
- Orciari, Robert D., 44
- Patchen, Myra L., 202
- Patterson, David T., 190
- Pawlowicz, Edmund F., 103
- Perry, T. E., 14, 95
- Physa heterostropha* (Say) (Gastropoda: Pulmonata). Comparative Studies on the Life Cycle and Ecology of Two Populations of, 85
- Phytoplankton Photosynthesis in a Northeastern Ohio Glacial Lake. Summer, 238
- Piper, Gary L., 19
- Pisces: Clupeidae: *Alosa pseudoharengus* in Indiana's Waters of Lake Michigan in 1970. Observations on the Adult Alewife's Food Habits, 50
- Plant Growth Chambers. A CO₂ Monitoring and Control System for, 190
- Plass, W. T., 298
- Post, Linda W., 29
- Predation by Fish on Walleye Eggs on A Spawning Reef in Western Lake Erie, 1969-71, 118
- Publications Received. New, 163, 321
- Pulex Aquaticus Arborescens* (Matriarchy, Off-Beat Heredity, Bioassay, Eutrophication), 165
- Pulmonary Functions in Adolescents. The Effects of Air Pollution on, 65
- Pulmonary Impairment. The Relation of Ambient Suspended Particulates and Meteorological Variables to Functional, 70
- Ramsey, J. M., 70
- Rana catesbeiana* in Southwestern Ohio. Premetamorphic Growth of, 182
- Ray, J. R., 314
- Reclamation of Surface-Mined Lands, 298
- Reutter, Jeffrey M., 256
- Reutter, Veronica M., 256
- Reviewers of Papers Appearing in The Ohio Journal of Science During 1974. A List of, 63
- Rhodes, Raymond J., 50
- Rhogosana* (Homoptera: Cicadellidae) with Descriptions of Three New Species. The Genus, 126
- Rice, Eugene W., 263
- Rudolph, Ann W., 163, 321
- Rudolph, Emanuel D., 113, 265
- Rutter, Robert P., 7
- Rybak, Edward J., 184
- Saksena, Vishnu P., 58, 178
- Schmitt, J. A., 75
- Shade, J. W., 138
- Shales Along the Olentangy River. Formation of Concretions Occurring in the Ohio, 162
- Showman, Ray E., 33
- Steroid Synthesis of the Rat Adrenal Gland. Effect of Lead Ingestion on *In Vitro*, 155
- Stewart, Paul A., 83
- Strip Mining Symposium. Introduction to, 265
- Strip Mining. Symposium Papers, 266, 280, 288, 298, 305, 314
- Stromberg, Paul C., 1
- Svendson, Gerald E., 32
- Svendson, Mark G., 32
- Tachinaephagus zealandicus* Ashmead (Hymenoptera: Encyrtidae). New Occurrence and Host for, 62
- Talaromyces from Soils of Southern Ohio. Ohio Ascomycete Notes II., 75
- Thiobacillus ferrooxidans. Microbiological Problems in Strip Mine Areas: Relationship to the Metabolism of, 280
- Valkenberg, N., 138
- Vessey, Stephen H., 184
- Welch, Carol McMahon, 202
- Wilson, Roger E., 194
- Wissing, Thomas E., 7
- Witter, Weldon L., 198
- Wolfert, David R., 118
- Wright, G. L., 155
- Yahner, Richard H., 176
- Zambian Hot Springs. Observations on the Animal Life of Some, 26
- Zapus hudsonius*, in Ohio: A Twenty Year Update. Distribution of the Jumping Mouse, 184
- Zooplankton of Western Lake Erie at Put-In-Bay: A Quantitative Study, April 1973-March 1974, 256
- Zygogramma suturalis* (Fabricius) (Coleoptera: Chrysomelidae). The Biology and Immature Stages of, 19